

**INSTALLATION OF AN A/B SWITCH ON THE 56 KBPS  
DEDICATED AND THE 14.4 KBPS DEDICATED LINES,  
FROM THE RPG TO THE RPGOP AND AWIPS**

**DOPPLER METEOROLOGICAL RADAR  
WSR-88D**



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Issuance Date: 11 November 1998  
NWS Rescission Date: 1 December 1999**

**NWS APPROVAL:**

\_\_\_\_\_ **Date** \_\_\_\_\_  
**John McNulty**  
**Chief, Engineering Division**

**1. SUBJECT**

Installation of an A/B Switch on the 56 kbps dedicated and the 14.4 kbps dedicated line from the RPG to the RPGOP and AWIPS.

**2. PURPOSE**

The purpose of this routine modification is to provide instructions to install A/B switches on the 56 kbps and the 14.4 kbps dedicated data lines from the RPG to the RPGOP and AWIPS. This modification enables the meteorologist to switch the 56 kbps and 14.4 kbps data rates between the RPGOP and the AWIPS. The authority for this modification is Operational Support Facility (OSF) Engineering Change Proposal (ECP) F0104.

**Do not accomplish this modification until after Software Note 11 (Build 10.0) has been installed and is operational.**

This is a temporary change. As such, EHB 6-501 and EHB 6-530 will not be updated to reflect this equipment. All information relative to these switches as contained in this modification note should be retained for reference by both electronic technicians and operators.

For additional information concerning this modification note, contact the Operational Support Facility, System Support Branch, Norman, Oklahoma; phone number: (405) 366-6540 ext 3229.

**3. SITES AFFECTED**

See attachment 3.

**4. ESTIMATED COMPLETION DATE**

The target completion date of this modification is 60 days after receipt of modification document or upon installation and acceptance of the AWIPS equipment.

**5. EQUIPMENT AFFECTED**

Principal User Processor (PUP).

Throughout this modification note, the collocated PUP is referred to as the Radar Product Generation Operational Position (RPGOP). When the PUP operates at 14.4 kbps dedicated interface, the RPGOP becomes an associated PUP (APUP).

**6. SPARES AFFECTED**

Not applicable.

**7. MODIFICATION ACCOMPLISHED BY**

Site electronic technicians and operations personnel will accomplish this modification. Two electronic technicians are required for the hardware installation in attachment 1 of this modification and one operations person is required to perform attachment 2.

**8. MATERIAL REQUIRED**

Kit AB			
Nomenclature	Part Number	NSN	Qty
DB 37 A/B Switch	2200043-201	5895-01-458-6309	1
RJ 45 A/B Switch	2200042-301	5930-01-437-0752	1
6 foot M/M DB 37 Cable	2200045-201	NWS9-82-450-0003	1
10 foot M/F DB 37 Cable	2200044-201	NWS9-82-450-0002	1
7 foot RJ 45 Patch Cords	2200046-201	NWS9-82-450-0004	5
Twisted Pair Wire	WC63-5BB4U	6145-01-458-9237	20 feet of cable
Accessories kit (Contents listed below)	2340000-301	NWS9-83-160-0027	1 bag
Labels	5160		4
Washers, Flat	543-0944-002	5310-00-822-9472	4
Post, Elec/Mech	1450		2

**9. SOURCE OF MATERIALS**

Kits are requisitioned by the Operational Support Facility (OSF) Logistics Section and shipped at no cost to the site.

**10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED**

Greenlee DB 37 Punch (NSN 5935-01-458-6310).

Greenlee DB 37 Punch will be managed by each Regional Headquarters. Upon completion of retrofit, contact your regional point of contact for shipping directions of the DB 37 Punch to the next site. The last site, per region, to use the Greenlee DB 37 punch should return it to the NRC.

**11. TIME AND PERSONNEL REQUIRED**

Work Phases	Work-hours
Unpacking	0.1
Disassembly	0.0
Installation	1.4
Assembly	0.0
Operational Check	0.5
Total Work-Hours	2.0

**12. DOCUMENTS AFFECTED**

None.

**13. VERIFICATION STATEMENT**

This modification was successfully installed at San Antonio, TX.

**14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS**

Not applicable.

**15. PROCEDURES**

See attachment 1 and attachment 2.

## 16. REPORTING INSTRUCTIONS

### NWS

Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to instructions in EHB-4, Part 2, using reporting code PUP. Also, record the modification number in block 17(a) as 45 (see attachment 5 for a completed sample of WS Form A-26).

Complete attachment 4 and mail, fax, or e-mail information to:

- (1) Mail Address:        System Support Branch, Logistics Section  
                             Operational Support Facility  
                             3200 Marshall Ave Suite 101  
                             Norman, Oklahoma 73072-8028
- (2) Fax Number:        (405) 366-6553  
                             ATTN: Logistics Section
- (3) E-mail Address:    Logistics@osf.noaa.gov

## ATTACHMENT 3

## EFFECTIVITY

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
<b>Eastern Region</b>		
WSFO Albany, NY	ALY	WN9518
WSO Binghampton, NY	BGM	WN9515
WSFO Brookhaven, NY *	OKX	WN9912
WSFO Buffalo, NY	BUF	WN9528
WSFO Boston, MA *	BOX	WN9509
WSO Burlington, VT	BTV	WN9617
RPGOP Caribou, ME	GYX	WN9938
WSFO Charleston, WV	RLX	WN9414
WSO Cincinnati/Dayton, OH	ILN	WN9710
WSFO Cleveland, OH *	CLE	WN9524
WSO Charleston, SC	CHS	WN9208
WSFO Columbia, SC	CAE	WN9310
WSO Greer, SC	GSP	WN9312
WSO Morehead City, NC	MHX	WN9307
WSO Norfolk/Richmond, VA	AKQ	WN9952
WSFO Philadelphia, PA *	PHI	WN9950
WSFO Pittsburgh, PA	PBZ	WN9917
WSO State College, PA *	CTP	WN9925
WSFO Portland, ME	GYX	WN9938
WSFO Raleigh/Durham, NC	RAH	WN9306
WSO Roanoke, VA	RNK	WN9954
WSO Wilmington, NC	ILM	WN9301
<b>Southern Region</b>		
WSFO Albuquerque, NM	ABQ	WP9365
WSO Amarillo, TX	AMA	WP9363
WSFO Atlanta, GA *	FFC	WP9219
WSFO Birmingham, AL	BMX	WP9957
WSO Brownsville, TX *	BRO	WP9250
WSO Corpus Christi, TX *	CRP	WP9251
WSFO Dallas/Ft Worth, TX *	FWD	WP9259
WSO El Paso, TX	EPZ	WP9270
WSO Jackson, MS	JAN	WP9235

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
WSO Jacksonville, FL	JAX	WP9206
WSFO Keywest, FL *	MFL	WP9918
WSO Knoxville, TN	MRX	WP9325
WSO Lake Charles, LA	LCH	WP9240
WSFO Little Rock, AR	LZK	WP9340
WSFO Lubbock, TX	LUB	WP9933
WSFO Memphis, TN	MEG	WP9334
WSO Midland/Odessa, TX	MAF	WP9265
WSO Mobile, AL	MOB	WP9223
WSO Nashville, TN	OHX	WP9327
OSF-2 Norman, OK	OSF02	WG4100
WSO San Angelo, TX	SJT	WP9263
WSFO Austin/San Antonio, TX	EWX	WP9253
WSO Shreveport, LA	SHV	WP9248
WSFO Slidell, LA *	LIX	WP9919
WSO Tallahassee, FL	TLH	WP9214
WSO Tampa, FL	TBW	WP9961
WSO Tulsa, OK	TSA	WP9356
WSFO Norman, OK *	OUN	WP9921
Northeast Alabama, AL	BMX	WP9957
Western Arkansas, AR *	TSA	WP9356

### Central Region

WSO Aberdeen, SD	ABR	WR9659
WSO Paducah, KY *	PAH	WR9957
WSFO Louisville, KY *	LMK	WR9423
WSFO Bismarck, ND *	BIS	WR9764
WSFO Chicago, IL	LOT	WR9969
WSFO Detroit, MI *	DTX	WR9954
WSO Duluth, MN *	DLH	WR9745
WSO Grand Junction, CO	GJT	WR9476
WSO Grand Rapids, MI *	GRR	WR9635
WSO Green Bay, WI	GRB	WR9645
WSFO Indianapolis, IN *	IND	WR9438
WSFO Jackson, KY *	JKL	WR9956
WSO La Crosse, WI	ARX	WR9643
WSFO Riverton-Lander, WY	RIW	WR9576
WSO Marquette, MI *	MQT	WR9743
WSFO Milwaukee, WI	MKX	WR9965



<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
WSFO Minneapolis/St Paul, MN *	MPX	WR9658
NRC, Kansas City, MO	NRCM7	WG3300
WSO North Platte, NE	LBF	WR9562
WSFO Omaha, NE	OAX	WR9553
WSO Pleasant Hill, MO	EAX	WR9446
WSO Pueblo, CO	PUB	WR9464
WSO Quad Cities, IL	DVN	WR9544
WSO Rapid City, SD	UNR	WR9662
WSFO Sioux Falls, SD	FSD	WR9651
WSO Springfield, MO	SGF	WR9440
WSFO Cheyenne, WY	CYS	WR9564
WSFO Des Moines, IA	DMX	WR9546
WSFO Fargo, ND	FGF	WR9750
WSFO Lincoln, NE	ILX	WR9436
WSFO NCL Michigan, MI	APX	WR9610

## Western Region

WSO Billings, MT	BYZ	WT9677
WSFO Boise, ID *	BOI	WT9681
WSFO Cedar City, UT	SLC	WT9932
WSO Elko, NV	LKN	WT9903
WSO Eureka, CA	EKA	WT9594
WSO Flagstaff, AZ	FGZ	WT9375
WSO Glasgow, MT	GGW	WT9768
WSFO Great Falls, MT *	TFX	WT9950
WSO Las Vegas, NV	VEF	WT9386
WSFO Los Angeles, CA	LOX	WT9295
WSO Medford, OR	MFR	WT9597
WSO Missoula, MT *	MSO	WT9773
WSO Pendleton, OR	PDT	WT9688
WSO Pocatello, ID	PIH	WT9578
WSFO Portland, OR *	PQR	WT9698
WSO Reno, NV	REV	WT9488
WSO Sacramento, CA	STO	WT9914
WSFO Salt Lake City, UT	SLC	WT9932
WSO San Diego, CA	SGX	WT9918
WSFO San Francisco, CA	MTR	WT9933
WSO San Joaquin Valley, CA	HNX	WT9389
WSFO Santa Ana Mountain, CA	SGX	WT9918

**NWS: EHB-6, Modification Note 45**

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
<b>WSFO Seattle, WA *</b>	<b>SEW</b>	<b>WT9922</b>
<b>WSO Spokane, WA *</b>	<b>OTX</b>	<b>WT9785</b>
<b>WSO Tucson, AZ</b>	<b>TWC</b>	<b>WT9274</b>
<b>WSFO Yuma, AZ</b>	<b>PSR</b>	<b>WT9278</b>

\* Sites that will initially receive the DB-37 Greenlee Punch from the National Logistics Supply Center.

**ATTACHMENT 4**

**INSTALLATION OF AN A/B SWITCH**

Site Name: \_\_\_\_\_

Site Identifier: \_\_\_\_\_

Total Time to Complete this Modification Document: \_\_\_\_\_

Technician's Name(s): \_\_\_\_\_

Operator's Name(s): \_\_\_\_\_

Technician's Phone Number: \_\_\_\_\_

Date Completed: \_\_\_\_\_

Problem(s) Encountered:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Upon completion of this form, mail, fax, or e-mail this information to the OSF:

1. Mailing Address: System Support Branch, Logistics Section  
WSR-88D Operational Support Facility  
3200 Marshall Ave, Suite 101  
Norman, OK 73072-8028
2. FAX Number: (405) 366-6553,  
ATTN: Logistics Section
3. E-mail Address: Logistics@osf.noaa.gov